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SLIDER STOP

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SLIDER STOP

Technical task:

In press moulds for car body parts, sliders must be damped on their way to their rest position due to high dynamic forces. The standard part "slide stop" according to 39D 630 fulfils this function.

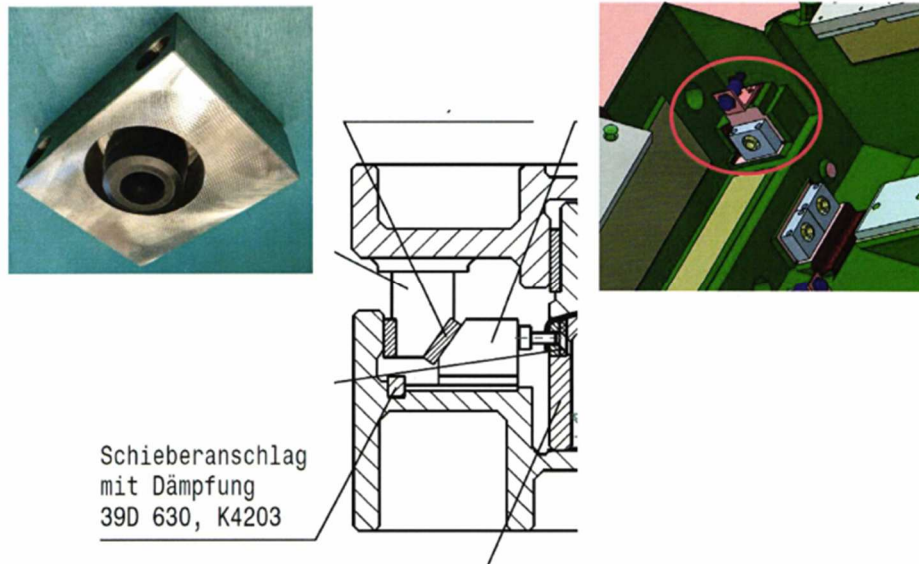


Figure 1: "Slider stop" standard part

Initial situation:

Force flow / load current slide stop

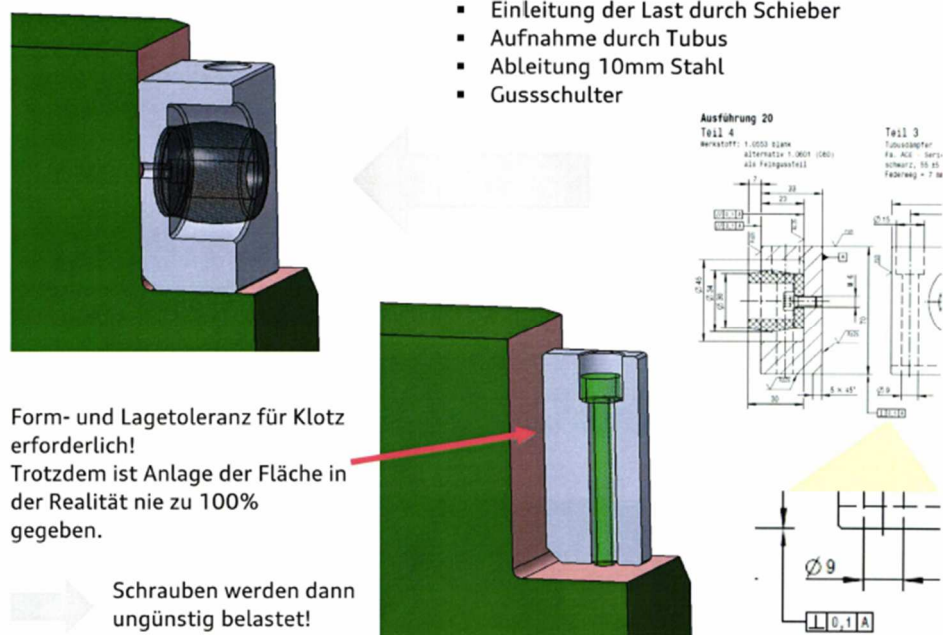


Figure 2: Representation of the current slide stop

Solution:

Force flow / load of new slide stop

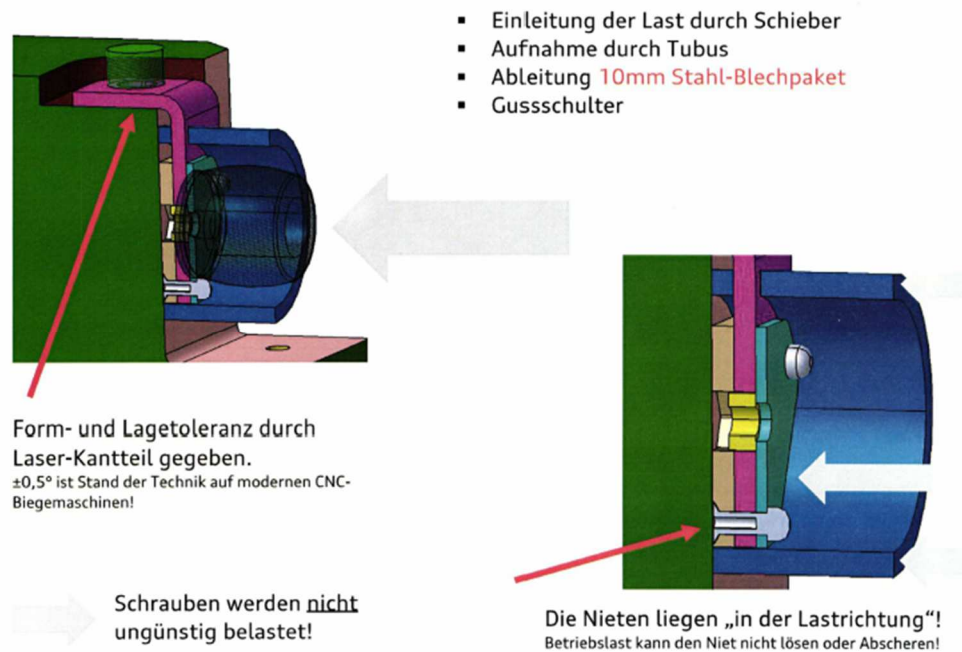


Figure 3: Illustration of new slide stop

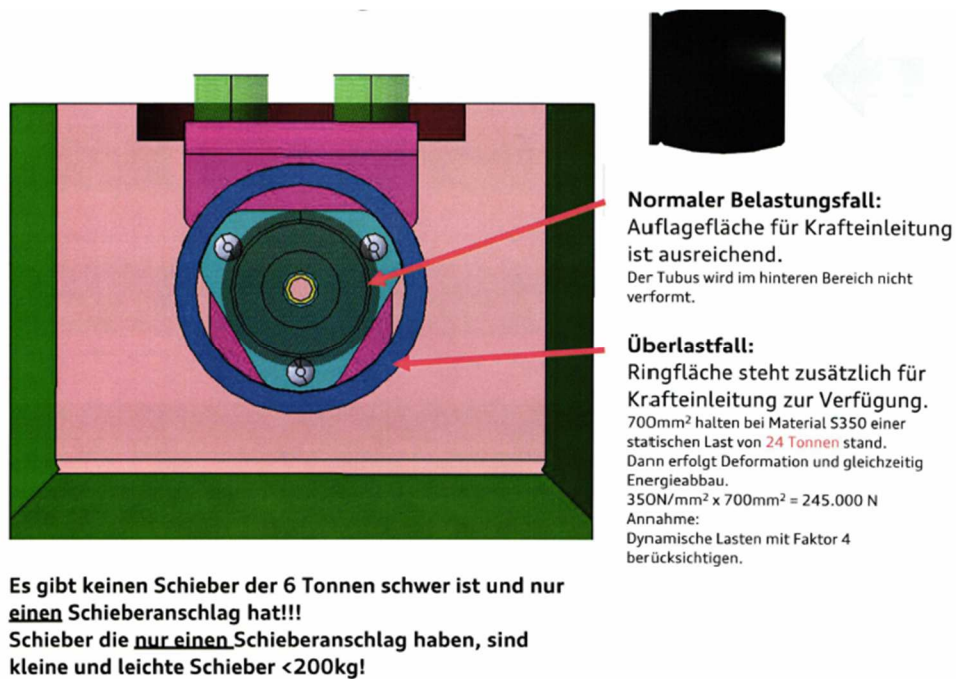


Figure 4: Illustration of new slide stop Load and force flow

Production of the individual parts by:

- Tube laser part
- Laser edge part
- Laser parts
- Hexagon nut
- Blind rivet

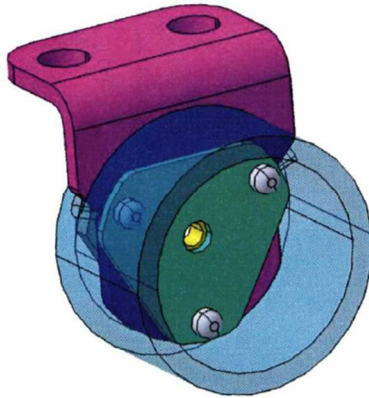


Figure 5: Final development status

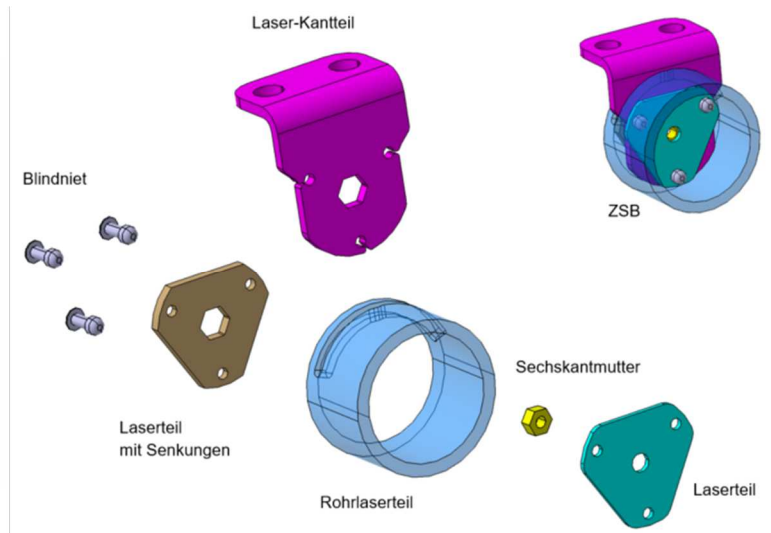


Figure 6: Details

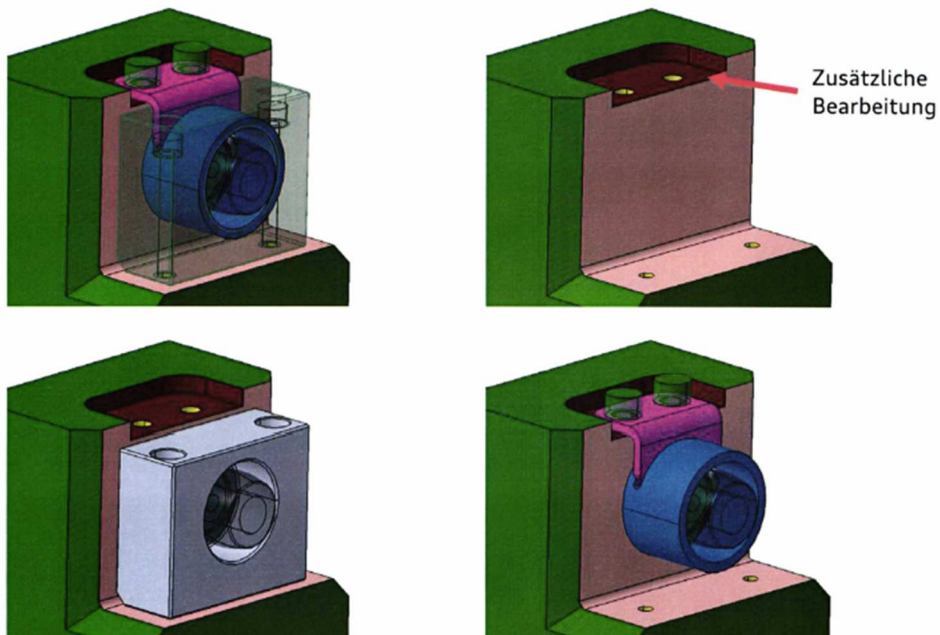


Figure 7: 100% back-up solution for implementation in new projects

Advantages:

The advantage is that the price becomes much cheaper with internal assembly and a full-service (K&K) parts supply. In addition, in the new version of the slide stop, the screws are loaded more favourably than in the old version.